Antec.

The **P**ower of **Y**ou

Quiet
computing

fits right. in

MINUET 300

User's Manual

TABLE OF CONTENTS

The high quality of our products is assured by a continuous process of refinement of their technical features. Therefore, it is possible that your product may differ in some respect from the descriptions contained in this manual. This is not a problem– it is an improvement. All features, descriptions and illustrations contained herein are valid as of the date of publication.

<div style="border:1px solid black; padding:10px;">

Disclaimer

This manual is intended only as a guide for Antec's Computer Enclosures. For more comprehensive instructions on installing your motherboard and peripherals, please refer to the user's manuals, which come with your components and drives.

</div>

MINUET 300 USER'S MANUAL

SETTING UP

1. Take the case out of the box. Remove the Styrofoam and the plastic bag. Place the case on a flat surface.
2. Remove the thumbscrews from the top panel (at the rear of the case). Slide the panel to the rear of the case and remove it. Set the panel safely aside.
   Note: Please don't try to use your fingernails to pry or lift the panel.
3. Inside the case you should see the power supply, some wiring with marked connectors (USB, PWR etc.), an installed I/O panel and a power cord. You will also find a bag of screws, four rubber feet and two plastic stands.
4. Horizontal Orientation: stick the four adhesive rubber feet to the bottom panel of the case to protect the paint from scratches.
5. Vertical Orientation: place the Minuet in the two plastic stands such that the side panel with the 80mm fan is facing up. Adjust the stands to fit snugly against the case sides.

[**Applicable only to models designed for sale in the European Union:** All Antec power supplies designed for the EU include a Power Factor Correction (PFC) circuitry in accord with European standard regulation code EN61000-3-2. By altering the input current wave shape, PFC improves the power factor of the power supply and results in increased energy efficiency, reduced heat loss, prolonged life for power distribution and consumption equipment, and improved output voltage stability.]

MOTHERBOARD INSTALLATION
This manual is not designed to cover CPU, RAM, or expansion card installation. Please consult your motherboard manual for specific mounting instructions and troubleshooting.
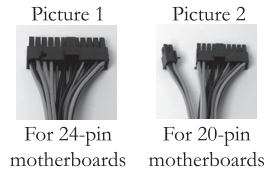
1. Make sure you have the appropriate I/O panel for your motherboard. If the standard panel provided with Minuet is not suitable for your motherboard,please contact your motherboard manufacturer for the correct I/O panel.

2. Line up your motherboard with the standoff holes, and determine which ones line up and remember where they are. Not all motherboards will match with all of the provided screw holes, and this is not necessary for proper functionality. (In other words there will likely be extra holes.) Some standoffs may be pre-installed for your convenience.
3. Lift up and remove your motherboard.
4. Screw in the brass standoffs to the threaded holes that line up with your motherboard's mounting holes.
5. Place your motherboard on the brass standoffs.
6. Mount your motherboard on the standoffs with the provided Phillips-head screws. Your motherboard is now installed.

POWER/LED CONNECTIONS

The power supply is an ATX12V form factor power supply. It has a single 24-pin Main Power Connector, and a 4-pin +12V Power Connector for the motherboard. It is backwards compatible to previous ATX form factor power supplies. If your motherboard does not support the +12V 4-pin Power Connector, you can still use this power supply. It also comes with three 4-pin Peripheral Power Connectors, one SATA Power Connector and one 4-pin Floppy Drive Power Connector for your drives.

1. Connect the 24-pin ATX power connector (and +12V connectors if appropriate) to your motherboard. If your motherboard uses a 20-pin connector; detach the 4-pin attachment on 24-pin power connector (see picture 1 and 2).
2. Power LED (labeled POWER LED) connector is located behind the Reset connector.
3. Power Switch (labeled POWER SW) connects to the PWR connector on the motherboard.
4. Hard Drive LED (labeled H.D.D. LED) connects to the IDE connector.

Picture 1   Picture 2
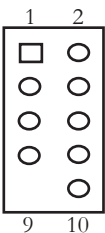
For 24-pin   For 20-pin
motherboards   motherboards

CONNECTING THE USB PORTS

You will find a single 10-pin connector on a cable attached to the front USB ports. This is an Intel standard connector which is keyed so that it can't be accidentally reversed as long as it is connected to a proper Intel standard motherboard header. Connect the 10-pin connector to your motherboard headers so that the blocked pin fits over the missing header pin.

Note: Please check your motherboard manual for your USB header pin layout and make sure it matches the attached table. If it does not match this Intel standard, please call Antec customer support at (800) 22ANTEC (North America) or at +31 (0) 10 462-2060 (Europe) to buy a USB adapter. This adapter will allow you to connect the front USB to your motherboard on a pin-by-pin basis.
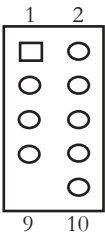
Intel Standard USB Header Pin Layout

Pin	Signal Names	Pin	Signal Names
1	USB Power 1	2	USB Power 2
3	Negative Signal 1	4	Negative Signal 2
5	Positive Signal 1	6	Positive Signal 2
7	Ground 1	8	Ground 2
9	Key (No Connection)	10	Empty Pin

CONNECTING THE IEEE 1394 (FIREWIRE®, I.LINK®) PORT

You will find a single 10-pin connector on a cable attached to the front IEEE 1394 connection. This is an Intel standard connector, which is keyed so that it can't be accidentally reversed as long as it is connected to a proper Intel standard motherboard header. Connect the 10-pin connector to your motherboard header so that the blocked pin fits over the missing header pin.

Note: Please check your motherboard manual for your IEEE 1394 header pin layout and make sure it matches the attached table. If you intend to connect the front FireWire port to an IEEE 1394 add-on card that comes with an external-type IEEE1394 connector, please call Antec customer service at (800) 22ANTEC (North America) or +31 (0) 10 462-2060 (Europe) to buy an adapter. This adapter will allow you to connect the front IEEE 1394 port to the external-type connector.

Standard Pin Assignment for IEEE 1394 Connector

Pin	Signal Names	Pin	Signal Names
1	TPA +	2	TPA -
3	Ground	4	Ground
5	TPB +	6	TPB -
7	+12V (Fused)	8	+12V (Fused)
9	Key (No pin)	10	Ground

CONNECTING THE AUDIO PORTS

Locate the internal audio connectors from your motherboard or sound card. Consult your motherboard or sound card manual for the pin-out positions.
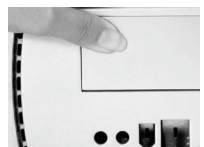
1. Microphone Signal Pin: Connect the MIC-IN connector to this pin.
2. Microphone Power: Connect the MIC-POWER connector to this pin.
3. Ground Pin: Connect the GROUND connector to this pin.
4. Front Right Speaker Out Pin: Connect the R-OUT connector to this pin.
5. Front Right Speaker Out Pin: Connect the L-OUT connector to this pin.
6. Rear Right Speaker Out Pin: Connect the R-RET connector to this pin.
7. Rear Left Speaker Out Pin: Connect L-RET connector to this pin.

Note: If your motherboard is not equipped with REAR SPEAKER output, it is not necessary to use the R-RET and L-RET connectors.

DRIVE INSTALLATION

Minuet incorporates a rapid-release Flip Up Drive Cage for easy drive installation. The Cage includes three drive bays: one external 5.25", one external 3.5", and one internal 3.5".

1. Before installing the external drives, remove the external drive bay covers.
a. To remove the external 5.25" drive bay cover, face the front of the case and use your left hand thumb to press firmly on the LEFT or outside edge of the left bay cover to release it. (See picture 3)
b. To remove the external 3.5" drive bay cover, face the front of the case and use your right hand thumb to press firmly on the RIGHT or outside edge of the right bay cover to release it. (See picture 4)
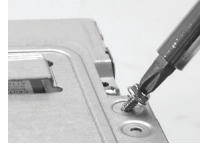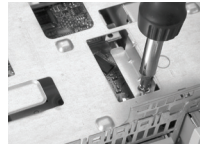
Picture 3

2. Lift up and slide the drive cage from the case.

3. Place the cage upside down on a flat surface.

4. Note: You must install the external devices first, before installing the internal 3.5" device.

5. Slide the external 5.25" device into the drive cage from the front. Since the drive cage is upside down, your drive should be too so that it will be properly orientated once the cage is installed in the Minuet II.

Picture 4

6. Align the bottom rear screw holes (one at each side) on the device with the two screw holes (the pair closest to the front of the cage) on the cage and fasten the device with the screws provided. (See picture 5)

7. Slide the external 3.5" device into the drive cage from the front. Since the drive cage is upside down, your drive should be too so that it will be properly orientated once the cage is installed in the Minuet II.

Picture 5

8. Align the bottom rear screw holes (one at each side) on the device with the two screw holes on the cage and fasten the device with the screws provided. (See picture)

9. To install the internal 3.5" device, find the two mounting prongs on one side of the bay. With one hand holding the device at a 45-degree angle with the bottom side up, align the two screw holes on one side of the device with the prongs and slide the device into the bay. (See picture 7)

Picture 6

10. Fasten the other side of the device to the two tabs with the screws provided. (See picture 8.)

11. When sliding the Cage back into the case, work slowly and carefully to ensure that the front panels of the external devices align properly with the holes provided for them in the bezel.
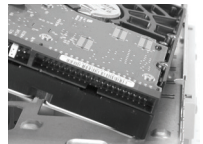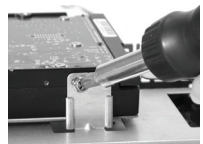
12. Connect power to each of the devices.

Picture 7

COOLING SYSTEM
The TriCool fan

The case includes one 80mm TriCool fan installed in the side of the chassis. This fan has a three-speed switch that lets you choose between quiet, perfor-

Picture 8

mance, or maximum cooling. We set the default fan speed to "Medium". (See specifications below) The fan is installed so that the air is blowing out of the case. Connect a large 4-pin connector from the power supply to the male 4-pin connector on the fan. Note: The minimum voltage to start the fan is 5V. We recommend our users to set the fan speed to High if you choose to connect the fan to a fan control. A fan control device regulates the fan speed by varying the voltage to it. The voltage may start as low as 4.5V to 5V. Connecting a TriCool set on Medium or Low to a fan-control device may result in the fan not being able to start. The already lowered voltage from the fan control device will be further reduced by the TriCool circuitry below 5V.

Specifications:

Size: 80 x 80 x 25.4mm
Rated Voltage: 12V
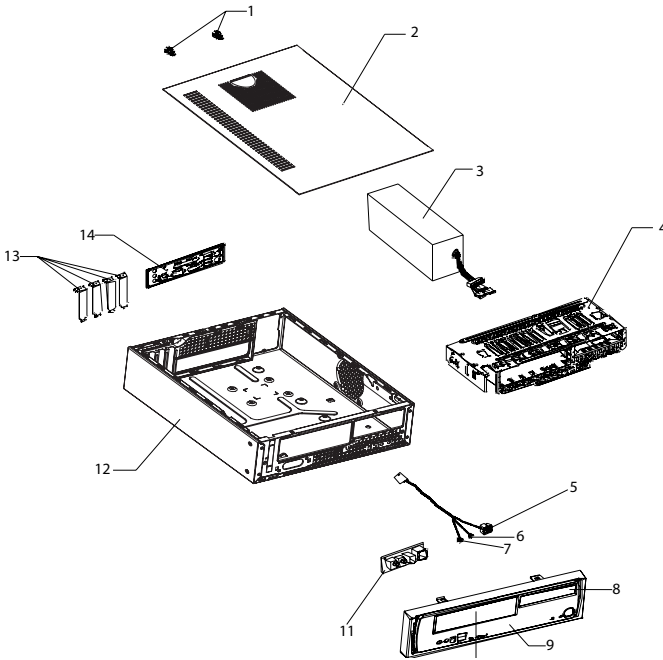Operating Voltage: 10.2V ~ 13.8V

Speed	Input Current	Air Flow	Static Pressure	Acoustical Noise	Input Power
High 2600 RPM	0.2A (Max.)	0.96 m³ / min (34 CFM)	3.04 mm-H2O (0.12 inch-H2O)	30 dBA	2.4W
Medium 2000 RPM	0.15A	0.74 m³ / min (26 CFM)	1.79 mm-H2O (0.07 inch-H2O)	24 dBA	1.8W
Low 1500 RPM	0.1A	0.55 m³ / min (20 CFM)	1.00 mm-H2O (0.03inch-H2O)	18 dBA	1.2W

Top Panel:
Minuet 300 comes with a vented top panel for maximum cooling capacity. It will help the airflow inside the case maximizing ventilation and cooling.

Rear Panel:
Minuet 300 comes with vents above the I/O panel. **Note: Do NOT install exhausts fans over these vents as they are designed to intake fresh air to help cool the CPU.**

Minuet 300 - Explorer Description

#	Description	#	Description
1	Thumbscrews	8	3.5" Drive Bay Cover
2	Top Panel with Vent	9	Front Bezel
3	Power Supply	10	5.25" Drive Bay Cover
4	Flip Up Drive Cage	11	Front PCB Assembly
5	Power Switch/Cable	12	Case
6	Power LED/Cable	13	Expansion Slot Covers
7	HD LED/Cable	14	I/O Panel

Antec, Inc.
47900 Fremont Blvd.
Fremont, CA 94538
tel: 510-770-1200
fax: 510-770-1288

Antec Europe B.V.
Sydneystraat 33
3047 BP Rotterdam
The Netherlands
tel: +31 (0) 10 462-2060
fax: +31 (0) 10 437-1752

Customer Support:
US & Canada
1-800-22ANTEC
customersupport@antec.com

Europe
+31 (0) 10 462-2060
europe.techsupport@antec.com

www.antec.com